

## PARAMETERS OF HIGH RISK INDICATORS

### Maine Newborn Hearing Program

### Assessment Key

- **Family History of Hearing Loss**

Answer yes (Y) if any of the following conditions are present:

- Baby has a blood relative with permanent childhood hearing impairment
- Baby has a blood relative with hearing loss before the age of 30.

- **Perinatal Infection**

Answer yes (Y) if any of the following infections have been diagnosed during the mother's pregnancy:

- Cytomegalovirus (CMV)
- Herpes Simplex Virus (genital)
- Toxoplasmosis
- Rubella
- Syphilis

- **Craniofacial Anomalies**

Answer yes (Y) if the following abnormalities are present at birth:

- Cleft lip or palate
- Choanal atresia
- Abnormalities of the pinna (outer ear) or the ear canal, pre-auricular tags

- **Very Low Birth Weight**

Answer yes (Y) if the baby's weight at birth is less than the following:

- 1500 grams or 3.3 pounds

- **Hyperbilirubinemia**

Answer yes (Y) if any of the following parameters have been met:

- The newborn has required blood exchange transfusion.
- Term newborn (>37 weeks gest.) with onset of jaundice in the first 24 hours of life.
- Serum Bilirubin level greater than the following values:

<u>BIRTH WEIGHT</u>	<u>BILI LEVEL</u>
• $\leq 1000$ gms	10.0
• 1001 – 1250 gms	10.0
• 1251 – 1500 gms	13.0
• 1501 – 2000 gms	15.0
• 2001 – 2500 gms	17.0
• $\geq 2501$ gms	18.0

- **Bacterial Meningitis**

Answer yes (Y) if the following infection has been diagnosed in the newborn:

- Bacterial meningitis, especially H. Influenza

- **Ototoxic Medications**

Answer yes (Y) if any of the following medications have been given to the newborn:

(Please repeat the hearing screening if the medications have been administered **after** the initial screen.)

- Aminoglycosides given to the newborn for more than 5 days (Gentamycin, Tobramycin, Kanamycin, Streptomycin, Vancomycin)
- Diuretics given in combination with aminoglycosides to the newborn (Lasix, Bumex, Demedex, Edecrine, Mannitol)
- Chemotherapeutic drugs given to the mother prenatally (Cisplatin, Bleomycin, Vincristine, Vinblastine)

- **Syndrome Associated with Hearing Loss**

Answer yes (Y) if any of the following syndromes have been diagnosed:

- Down Syndrome (Trisomy 21)
- Pierre Robin Syndrome
- CHARGE Syndrome
- Usher's syndrome
- Waardenburg's syndrome
- Neurofibromatosis
- Osteopetrosis (excessive calcification of the bones)
- Stigmata or other findings associated with sensorineural or conductive hearing loss or Eustachian tube dysfunction.

- **Prolonged Ventilation**

Answer yes (Y) if the newborn has met any of the following criteria:

- Prolonged mechanical ventilation for duration equal to or greater than 5 days.
- Persistent pulmonary hypertension of the newborn associated with mechanical ventilation.
- Infant has required the use of extracorporeal membrane oxygenation (ECMO)

- **Severe Asphyxia at Birth**

Answer yes (Y) if any of the following APGAR scores have been given:

- 0 to 4 at one minute
- 0 to 6 at five minutes

- **Admission to NICU**

Answer yes (Y) if the following criteria have been met:

- The newborn has had an illness or condition requiring admission of 48 hours or greater to a NICU.